

Newcastle Biosphere, UK

Research and development services tailored
to your molecule's needs

Newcastle Biosphere at a glance



Established in
2002



20
employees



2,100+
molecules



1,442 sq/ft
facility



Schedule **1-5 controlled**
substances approved

The Newcastle facility delivers extensive research and development (R&D) expertise to support early phase small molecule projects.

Some of our key services include:

- Custom synthesis of small molecules
- Contract research
- Route design, development and optimisation
- Focused compound libraries
- Stable isotope labelling
- Metabolite synthesis
- Non-GMP supply for toxicology studies
- Isolation and identification of unknown impurities
- Process scale up evaluation
- Organometallic catalysis



State-of-the-art equipment to maximise your success

Home to an array of specialised equipment, our Newcastle facility can handle comprehensive analytical work and complex chemistries for R&D projects, including early phase API discovery and development.

Some of the equipment and facilities we have on site at Newcastle Biosphere include:

- New fully equipped R&D labs
- LC-MS (electrospray)
- Analytical and semi-preparative HPLC
- Chiral HPLC
- NMR access (up to 700 MHz) via Newcastle University
- Optical rotation
- Biotage automated chromatography machines
- Biotage microwave reactor

Patent development

Our Newcastle facility is highly experienced in process improvement, which has frequently led to the filing of new process patents by our customers. **Our ability to adapt to changing project requirements and deliver focused compound libraries to strict deadlines, makes us the ideal partner to support your patent's development.**